Pioneer sound.vision.soul

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-56TXi

Advanced MCACC MCACC advanced
PC Display Application Software

About this manual

These are the Operating Instructions for the PC Display Application Software, which displays on your PC the listening room reverberation frequency characteristics measured by the Advanced MCACC function of your VSX-56TXi.
It explains everything you need to know to use the application, from installation to troubleshooting. You will need to operate the receiver to use this application, so please refer also to the Operating Instructions supplied with the receiver.

Operating Instructions

About the Advanced MCACC Application

The Advanced MCACC application software allows you to view graphs of the reverb characteristics of your listening environment on a PC. It works in the same way as “Reverb View” in the receiver’s “Acoustic Cal EQ Professional” function (see page 88 in the receiver’s Operating Instructions), but the graphs are more attractive and easier to understand by using a PC.

Requirements for using the application on your PC

- Operating system must be Microsoft® Windows® XP, Windows® 2000, Windows® Millennium Edition, Windows® 98 Second Edition, or Windows NT® 4.0 (Service pack 6).
- CPU must be at least Pentium 3 / 300MHz or AMD K6 / 300MHz (or equivalent) with at least 128MB of memory, and your monitor must be able to display a minimum resolution of 800x600.
- An RS-232C port connector is necessary for graphical output. Refer to the PC’s operating instructions and/or the PC manufacturer for more information on making the proper port settings.

Microsoft, Windows XP, Windows 2000, Windows Millennium Edition, Windows 98 and Windows NT are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Main features of the application

1. Displays 3D graphs of the reverb frequency characteristics of your room.
   Acoustic calibration by MCACC made on the receiver itself is not reflected in these graphs.
2. Allows you to view graphs in a number of different formats.
3. Allows you to save the measured reverb characteristics data on your PC.
4. Allows you to make memos about the conditions in your room when you made the measurements.
5. Allows you to print graphs.

Things you can accomplish with this application

1. Advanced EQ Setup, which you can do with the receiver (see page 88 in the receiver’s Operating Instructions), allows you to choose the optimum time period for auto EQ setup. You can use the graphs displayed by the application as a guide in choosing the best time period for your room.
   For details, see *How to Interpret the Graphs* (page 14).
2. Skewed reverb frequency characteristics in your listening room can prevent you from enjoying an accurate sound field. The graphs displayed by this application are a powerful tool because they allow you to check these reverb frequency characteristics at a glance. You can also check the effectiveness of steps that you take to improve the acoustics of your listening room, for example installing sound absorbent material.
   For details, see *How to Interpret the Graphs* (page 14).

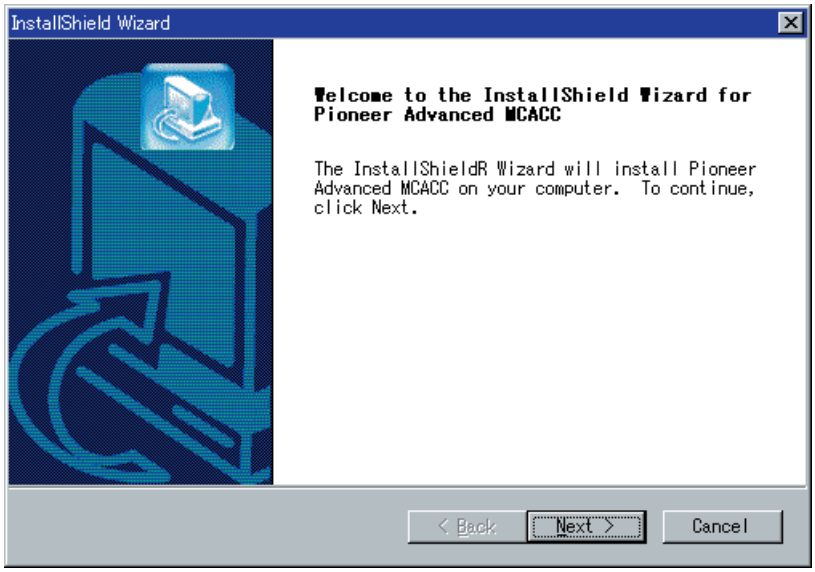
Installing the Application

Install this application on your PC by using the downloaded installer.
You will find the installer in the folder that you specified when you downloaded the application.

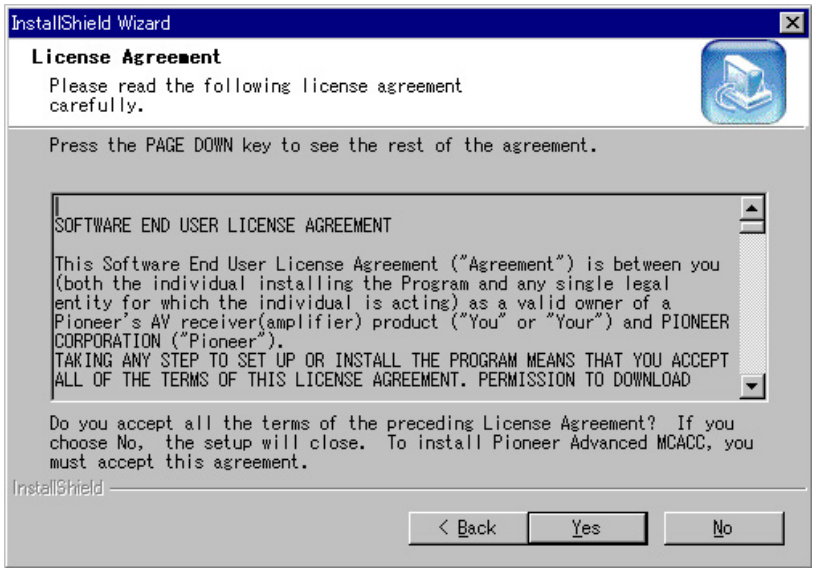
1 Double click the "PioneerAdvancedMCACC_e_ver_*_*.exe" file.

The number after "ver" in the filename is the version number of the installer.

2 Click "Next."


InstallShield Wizard
Welcome to the InstallShield Wizard for Pioneer Advanced MCACC
The InstallShieldR Wizard will install Pioneer Advanced MCACC on your computer. To continue, click Next.
< Back
Next >
Cancel

3 Click "Yes" (if you agree to the terms of the License Agreement).


InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
SOFTWARE END USER LICENSE AGREEMENT
This Software End User License Agreement ("Agreement") is between you (both the individual installing the Program and any single legal entity for which the individual is acting) as a valid owner of a Pioneer's AV receiver(amplifier) product ("You" or "Your") and PIONEER CORPORATION ("Pioneer").
TAKING ANY STEP TO SET UP OR INSTALL THE PROGRAM MEANS THAT YOU ACCEPT ALL OF THE TERMS OF THIS LICENSE AGREEMENT. PERMISSION TO DOWNLOAD
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install Pioneer Advanced MCACC, you must accept this agreement.
InstallShield
< Back
Yes
No

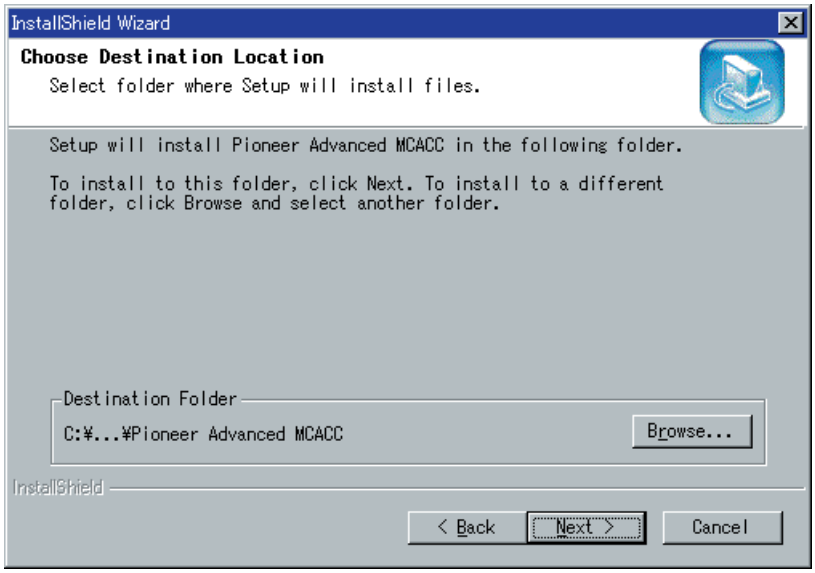
The destination selection screen of the installer appears.

Continue

Troubleshooting

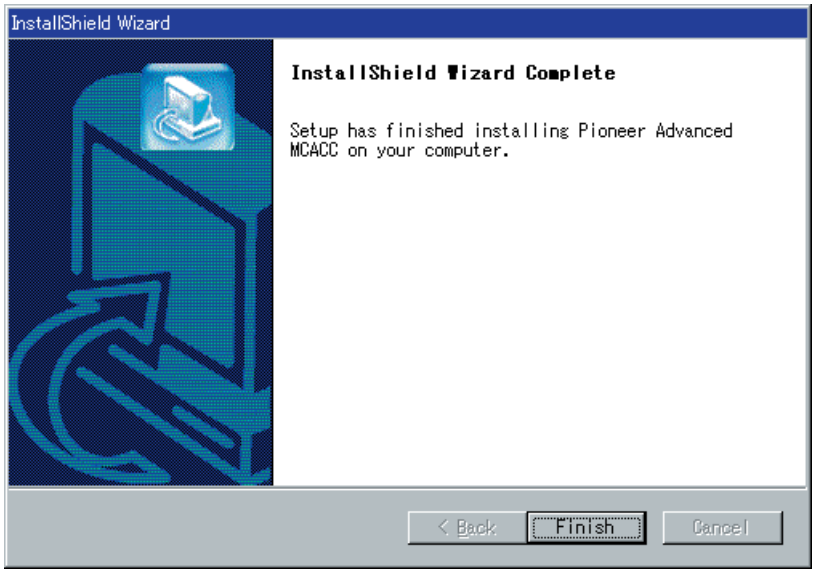
If an error occurs when you double click and you are unable to proceed with the installation.

4 Click "Next."


InstallShield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install Pioneer Advanced MCACC in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:¥...¥Pioneer Advanced MCACC
Browse...
InstallShield
< Back
Next >
Cancel

The application is installed in the indicated folder, and a shortcut icon is created on the desktop. To select a different folder to install the application, click "Browse."

5 Click "Finish."



The installation is complete.

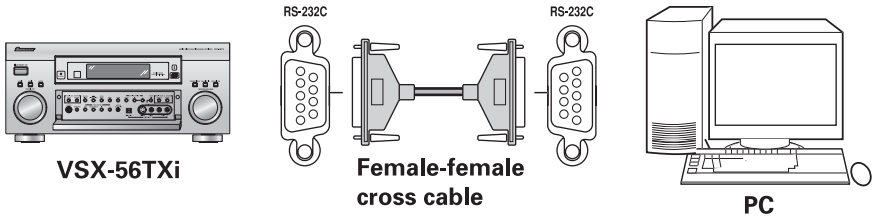
Operations on the Receiver and Cable Connections

To display reverberation characteristics measured with the receiver on your PC, you need to connect the receiver to the PC.

1 Connect the receiver to your PC with a RS-232C cable.

Caution

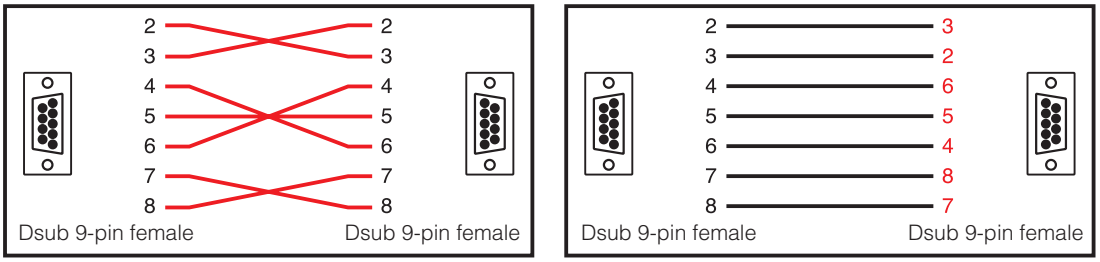
Before making or changing connections, switch off the power and disconnect the power cord from the power outlet. Plugging in components should be the last connection you make with your system.



Notes

- The type of cable to use is a female-female cross cable. Different manufacturers use different names to refer to this type of cable. Sometimes it is called an “interlink” cable, and sometimes it is called a “reverse” cable.

Pin-out diagram of RS-232C cable to connect receiver and PC



- The following cable has been proved to ensure system operation.

Brand	Cable	Part NO.
Belkin	Pro Series Serial Direct Cable-10 feet	F3B207-10

Continue

2 On the receiver, select “Acoustic Cal EQ Professional” then “Reverb Measurement” and measure the reverberation characteristics of your room.

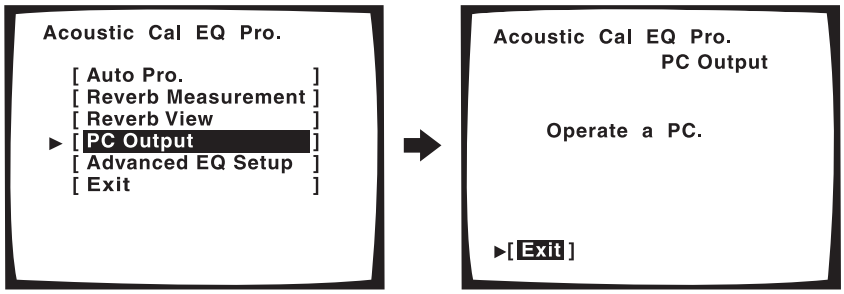
(For details, see pages 88 and 75 of the receiver’s Operating Instructions.)
Reverberation characteristics can also be measured with “Auto Pro.,” but it takes longer than with “Reverb Measurement” because all steps up to EQ Setup are done automatically.

Note

When you receive the data you have already measured with "Reverb Measurement" or "Auto Pro.," you do not need to measure the data again in this step.

3 In the on-screen display, select “PC Output”.

The message “Operate a PC” appears and the receiver enters transmission standby mode. It is ready to send data to your PC.



This completes the preparations for sending the measurement data to your PC.
(To send the data, proceed to the next section *Application Operations*.)

Application Operations

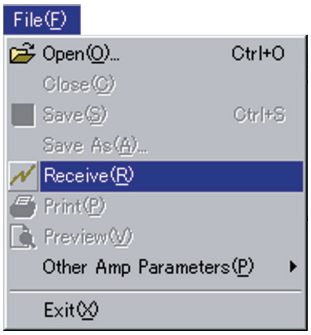
This section explains operations that you do in the application, from receiving measurement data to displaying graphs and saving the data.

Receiving measurement data

1 Double click the application shortcut icon on the PC desktop.

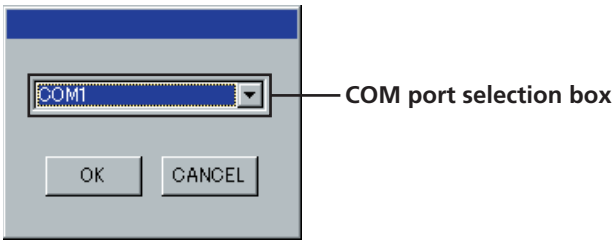
You can also start the application by selecting “Program” → “Pioneer Corporation” → “Advanced MCACC” from the “Start” menu.
The application starts.

2 Select “Receive” under “File” on the menu bar.



3 Select the number of the COM port to which the RS-232 cable is connected and click “OK.”

If you do not know which COM port number to select, try selecting each port in turn, beginning with “COM1.”



Data transmission starts. (It should finish in about 10 seconds.)

When reception finishes, graphs of the received data appear.

Notes

- Refer the operating instructions of your PC for more information about COM port settings.
- In order to avoid malfunction, after the completion of the data transmission, unplug the RS-232C cable connecting your PC and the receiver.

Continue

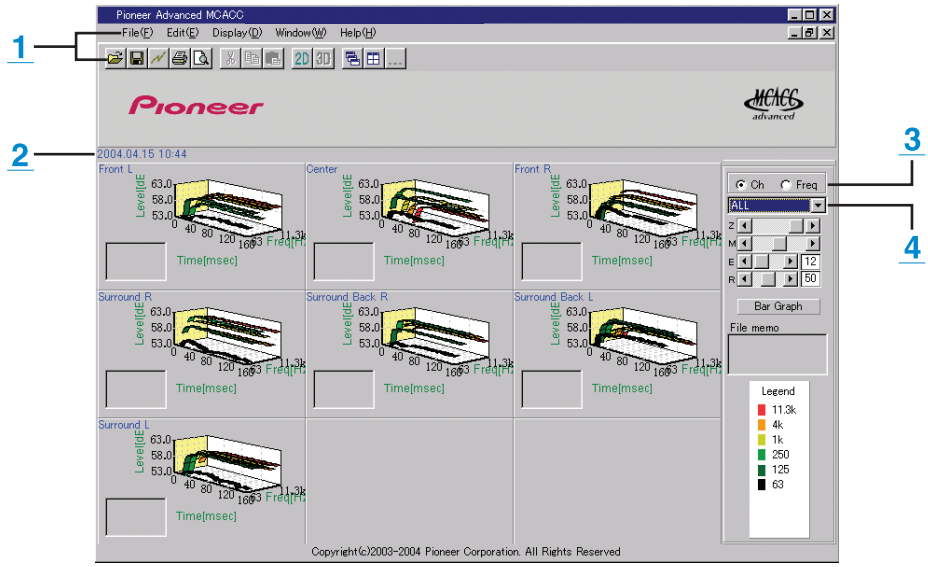
Troubleshooting

If an error occurs when you select “Receive” and no data is sent.

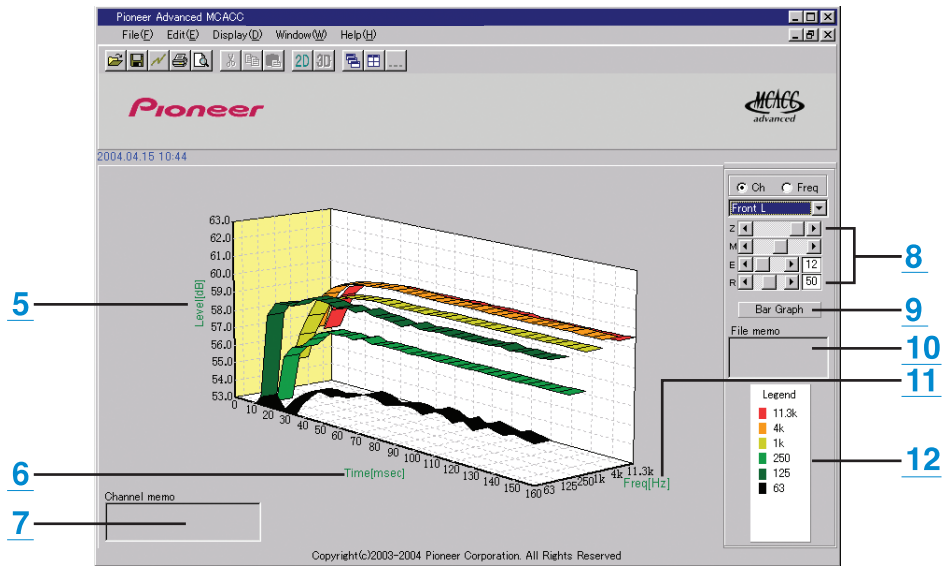
Graph displays (names and functions of parts)

When data is received, the first display to appear shows graphs for all channels (ALL display). This section explains the parts shown in ALL display and individual display.

ALL display



Individual display (Example: Front L channel)



Continue

1 Menu bar and menu icons

You can choose the following commands from the application menus.

File	
Open	Opens a file that has been saved on the PC (see page 13).
Close	Closes a file.
Save	Save measurement data in a file (see page 12).
Save As	
Receive	Receives measurement data (see page 7).
Print	Prints the current individual graph.
Preview	Displays a preview screen to show how the printed page will appear.
Other Amp Parameters	Receives various data (see page 19).
Exit	Exits the application.

Display	
Graph(G) **Graph** 2D 3D	Switch between 2D (two-dimensional graphs) and 3D (three-dimensional graphs).
Demo	Displays 3D graphs with rotating.*

* To finish, reselect and uncheck the box.

Window	
Cascade	Cascades files.*
Tile	Tiles files.*
Arrange	Arranges minimized icons.*

* Available when two or more files are open.

Help	
Version Info	Displays the version of the application.

Continue

2 Date and time
Display the date and time when the measurement data was transferred to the PC.

3 Channel and frequency switch buttons
Ch: Selects channel display mode (frequencies are displayed along graph depth axes).
Freq: Selects frequency display mode (channels are displayed along graph depth axes).

4 All/individual display switch menu
Allows you to select All display or individual display (Front L, etc.).

5 Level [dB]
The level axis.

6 Time [msec]
The time axis.

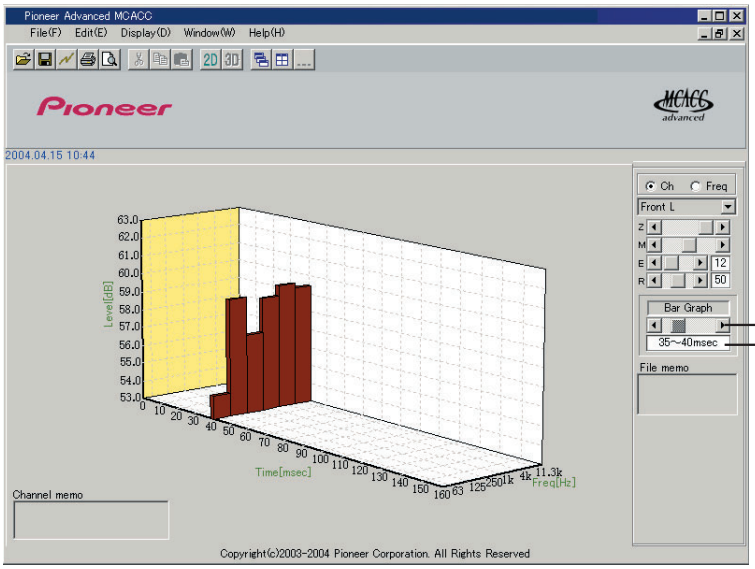
7 Channel memo (available only when individual channels are shown)
Allows you to record a short memo about each channel.

8 Graph adjustment bar
Z: Increases or reduces the display unit of the Level [dB] scale.
M: Moves the Level [dB] scale.
E: Moves the viewpoint of 3D graphs vertically. (Cannot be changed for 2D graphs.)
R: Moves the viewpoint of 3D graphs horizontally. (Cannot be changed for 2D graphs.)

Continue

9 Bar Graph

Changes the type of graph display. The display switches between the band graph and bar graph by pressing this button.



Moves the viewpoint of the time axis.

10 File memo

Allows you to record memos about conditions when the measurements were made.

11 Freq [Hz]/Channel

In channel display mode, it becomes the frequency axis. In frequency display mode, it becomes the channel axis.

12 Legend

Shows which colors in the graphs correspond to which channels or frequencies.

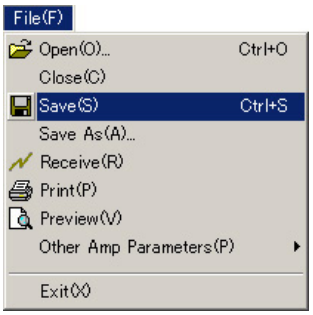
Continue

Saving graphs in data files

You can save measurement data received from the receiver on your PC. Data received at one time is saved in one file.

1 To save measure data, choose “Save” from the “File” menu.

If you have data that has already been saved and want to save it under a new name, choose “Save As.”



2 Check the save location, assign a file name, then click “Save.”

The data is saved in a CSV format file (the file extension is “.csv”).

When you are finished saving data, you should return to the receiver and select “Exit” on the on-screen display. This takes the receiver out of transmission standby mode. (See page 75 in the receiver’s Operating Instructions.)

Note

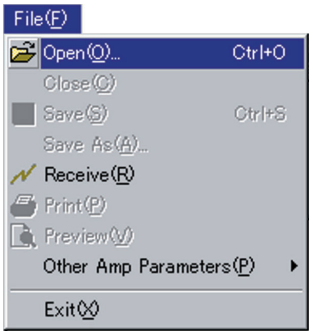
The CSV format file is often used to transfer data to applications such as databases and spreadsheets. You can use these applications to view the numeric values in your measurement data.
However, if you use another application to edit the data and then save the file, the Advanced MCACC application may be unable to open the file.

Continue

Opening data files

You can open and display two or more data files to compare the data in the files.

1 Select "Open" from the "File" menu in the menu bar.

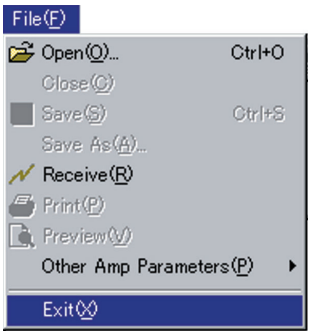


2 Select a file to display and click "Open."

Graphs appear for the data saved in the file.

Exiting the application

1 Select "Exit" from the "File" menu.



The application closes.

How to Interpret the Graphs

As explained in *Things you can accomplish with this application* on page 2, you can use the graphs displayed in this application to choose the optimum time period for auto EQ setup with the receiver's Advanced EQ Setup function, and to check the effectiveness of steps you take to improve the acoustics of your listening room.

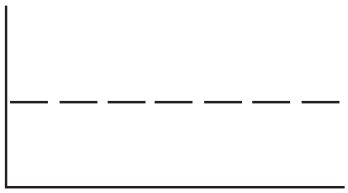
Note

- Acoustic Cal EQ of the amplifier adjusts five frequency bands of 63Hz, 125Hz, 250Hz, 4kHz, and 11.3kHz; however, the reverb characteristics are shown in six frequency bands of 63Hz, 125Hz, 250Hz, 1kHz, 4kHz, and 11.3kHz on the screen.
  In automatic setting of Acoustic Cal EQ, it is designed so that the characteristics of the speaker and the listening room are measured and analyzed in the six frequency bands including 1kHz, and then the parameter of Acoustic Cal EQ in the five frequency bands is set based on the analyzed results. (The relative balance of the six bands is designed to be adjusted using EQ5 bands.) The reverb characteristics are, however, shown in the six bands, since all the data analyzed are designed for display.

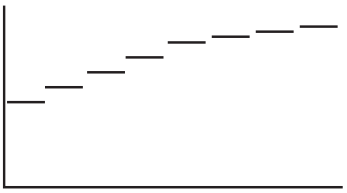
How to interpret reverb graphs

The graphs show changes in microphone input level along a time axis, beginning from a state of quiet at time 0, when test tones begin to be output, and continuing while a constant level of sound is output from the speakers.

- If there is absolutely no reverberation in your room, the graph will look like figure A below.
- If there is reverberation, the graph will show a gradual accumulation of acoustic power, as shown in figure B.



A



B

Notes

- Due to an effect known as "group delay", lower frequencies may take longer to be generated than higher frequencies (this is most obvious when comparing the frequencies around 0ms).
- If a graph extends beyond the display range, or almost fills it, you can change the display by using the Z (Zoom) control on the graph adjustment bar, adjusting the display range of the Level [dB] scale so that the whole graph is visible.
- In the graphs, differences in channel level and speaker distance are taken into account automatically (compensation is provided for comparison purposes), but the frequency measurements are always shown without the equalization performed by the receiver.
- Even in cases where there is a great difference in the output levels of different frequencies (the frequency characteristics of the room are poor), you can carry out ALL CH ADJUST with the receiver's Acoustic Cal EQ function to bring the frequency characteristics for each channel closer to a flat response. (For details, see page 84 in the receiver's Operating Instructions.)
- It is usually not possible to calculate the equalization values employed by the receiver's Acoustic Cal EQ function simply by viewing the graphs displayed on your PC. (This is because the automatic adjustments made by Acoustic Cal EQ function take account of factors such as equalization band interference and analytical filter characteristics, to achieve the optimum characteristic profile.)

Continue

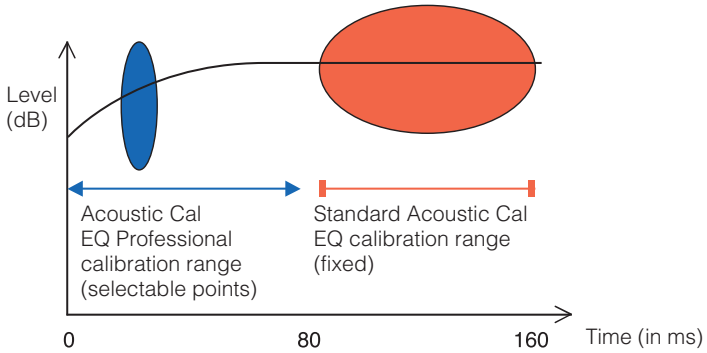
Deciding the time period for Advanced EQ Setup calibration

In standard Acoustic Cal EQ calibration, the input data from the microphone is analyzed at fixed time periods from 80 to 160 msec (the red area in Figure 1). Advanced EQ Setup allows you to choice a point (20 msec width) in the range from 0 to 80 msec (the blue area in Figure 1).

Note

The time period setting is that made on the receiver using “Advanced EQ Setup” of the “Acoustic Cal EQ Professional” function. This setting is not required when you use “Auto Pro.” and the standard Acoustic Cal EQ. (For details, see page 88 in the Operating Instructions.)

Figure 1 Comparison of microphone data acquisition time periods

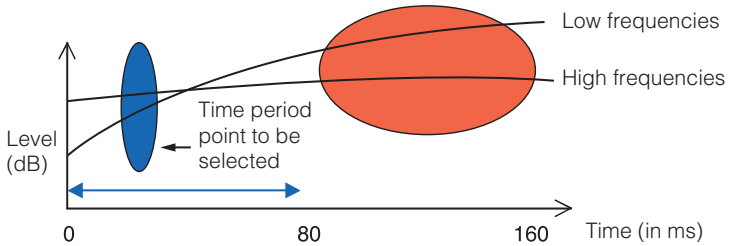


To decide the time period for Advanced EQ Setup calibration, view the graphs of the measured reverb characteristics, and refer to the following three patterns.

Pattern 1: Different reverb characteristics for high and low frequencies

In rooms with reverb characteristics like those shown in Figure 2, lower frequencies often seem overly reverberant compared to higher frequencies (i.e. the room sounds ‘boomy’). If you calibrate the receiver using ALL CH ADJUST of the standard Acoustic Cal EQ, data will be acquired in the 80 to 160 msec range (the red area of Figure 2). The analysis concludes that low frequencies are too loud and high frequencies are too soft, so it adjusts the equalization curve to strengthen high frequencies. In fact, however, the high frequencies may already be loud enough if measured within 40 msec, which is the time it takes for sounds coming directly from the speakers to reach your ears. Therefore, the standard Acoustic Cal EQ may result in a room where high frequencies sound shrill. **In cases like this, setting the time period for Advanced EQ Setup to 20 to 40 msec (the blue area in Figure 2) to adjust for sounds coming directly from the speakers can flatten the frequency response for direct sounds (including initial reflections) and give a better-balanced sound field.**

Figure 2

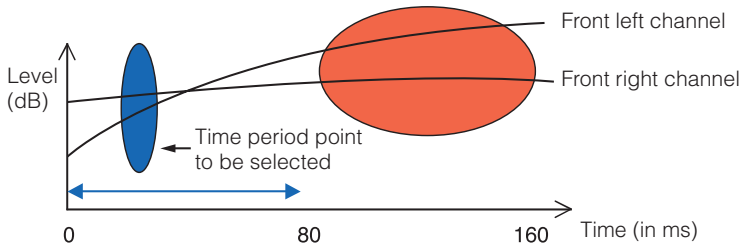


Continue

Pattern 2: Different reverb characteristics for different channels

When different channels can have different reverb characteristics, as shown in Figure 3, it is not so effective to calibrate using the standard Acoustic Cal EQ. In general, a sound field with good acoustic positioning and movement is made up by sounds coming directly from the speakers (including initial reflections). This is the reason why you should use a calibration method that enables you to adjust direct sounds. In pattern-2 cases, the standard Acoustic Cal EQ is not able to adjust frequency characteristics for sounds coming directly from the speakers. It acquires data in the 80 to 160 msec range (the red area in Figure 3.), so its adjustment ability is limited to sounds 80 msec or longer. **In cases like this, you should use Advanced EQ Setup and set the time period to 20 to 40 msec (the blue area in Figure 3). This allows the characteristics of direct sounds to be balanced for each channel, giving an ideal sound field with good acoustic positioning and movement.**

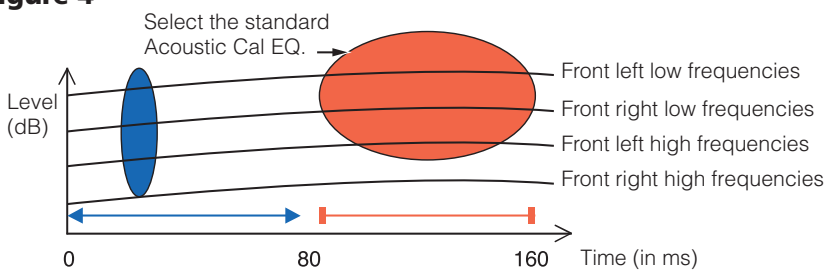
Figure 3



Pattern 3: Similar reverb characteristics for high and low frequencies and all channels

As shown in Figure 4, when the reverb characteristics for all channels are similar across all frequencies, your sound experience will probably not be adversely affected by reverberation. **Instead of Advanced EQ Setup, we recommend that you use the "Auto" setting of the standard Acoustic Cal EQ. This produces a total calibration for both direct sounds and reverberations, resulting in an ideal sound field.**
(See page 84 in the receiver's Operating Instructions.)

Figure 4



Notes

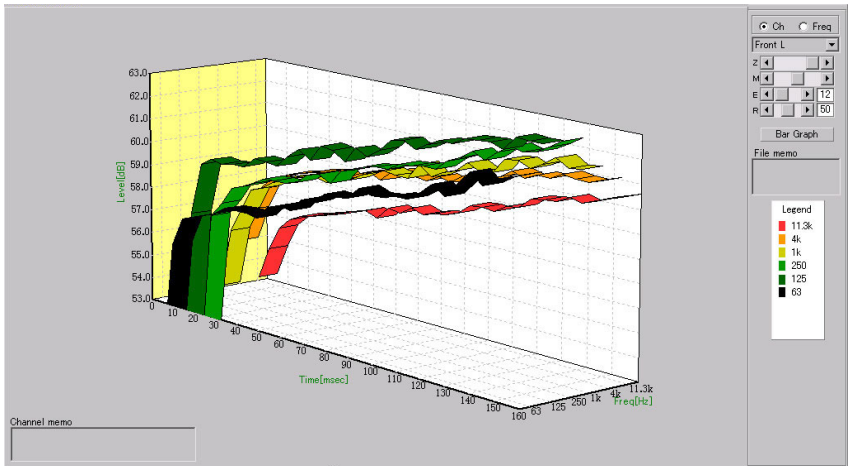
- If you are not sure which time period to specify in Advanced EQ Setup, start by trying 20 to 40 msec. If the graphs show an unusual reverb curve for a specific frequency, the cause may be some accidental variation. Instead of selecting 20 to 40 msec, try another time period.
- Another good method is to try various time periods in Advanced EQ Setup and select the one which sounds the best.
- Time period settings cannot be made on the PC. They can only be made on the on-screen display of the receiver, using the receiver's Advanced EQ Setup function.

Continue

Checking steps to improve your room's reverb characteristics

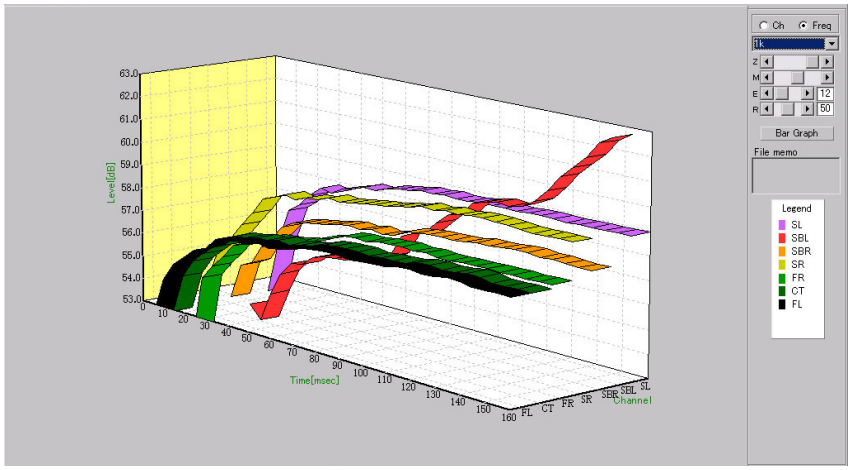
The reverb characteristics of your listening room graphs are evident from the graphs. For your reference, the following four examples explain how different types of rooms appear in the graphs.

Case 1: Graph rises to right across all frequencies



This is probably a room with a good deal of reverberation. If possible, we recommend that you try installing some sound absorbent material to create a deader acoustic space according to your preference.

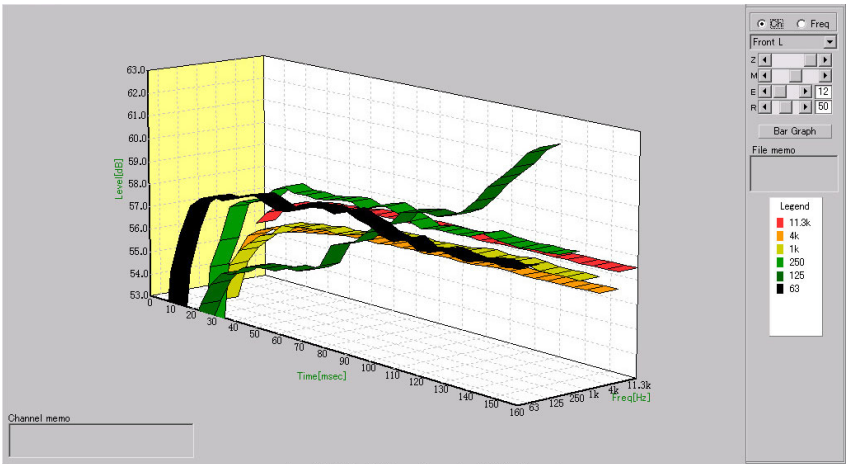
Case 2: Specific channel shows unusual reverb characteristics



There is probably some object near the speaker which affects sound reproduction. If possible, we recommend that you try to reduce the influence of that object.

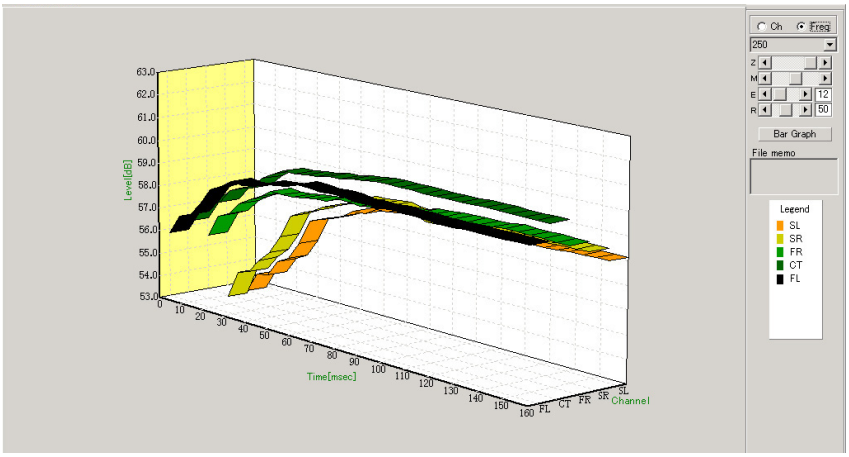
Continue

Case 3: Specific frequency shows unusual reverb characteristics



There is probably something in the room that affects the reproduction of that frequency. There may be a standing wave. If possible, try to find an arrangement that reduces the effect.

Case 4: A specific channel is slow to start



This can happen when a speaker is unstable. If possible, we recommend that you try to stabilize the speaker stand, to bring the characteristics of that channel into line with the other channels.

Note

In all of these cases, you can use “Auto Pro.” of “Acoustic Cal EQ Professional.” to automatically achieve the optimal calibration for the characteristics of your listening area.
(See page 88 of the receiver’s Operating Instructions.)

Other Functions

In addition to the reverb frequency characteristics data measured by Advanced MCACC, you can receive setting data from the receiver on your PC to check the data, and save the setting results on your PC.

Receivable measurement data

1. Speaker Setting (Setting of the speaker system)
2. Channel Level (Setting of the speaker output level)
3. Speaker Distance (Setting of the distance to the speaker)
4. Acoustic Cal EQ (Calibration of reverb characteristics in listening environment)

Receiving and saving measurement data

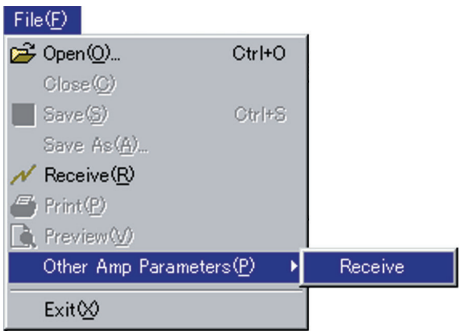
Before starting the reception, check that the receiver is properly connected to your PC (page 5), and that the receiver enters the transmission standby mode by the operation of the receiver (page 6).

1 Double click the application shortcut icon for the on the PC desktop.*

The application starts.

* You can also start the application by selecting "Program" → "Pioneer Corporation" → "Advanced MCACC" from the "Start" menu.

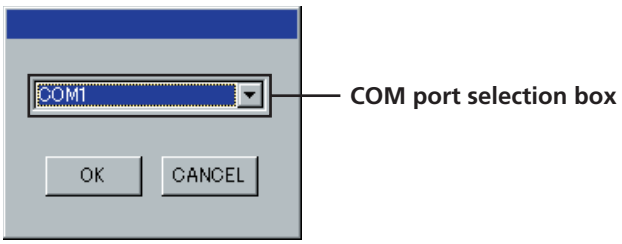
2 Select "Other Amp Parameters" → "Receive" under "File" on the menu bar.



Continue

3 Select the number of the COM port to which the RS-232C cable is connected and click "OK."

* If you do not know which COM port number to select, try selecting each port in turn, beginning with "COM1."



Note

Refer to the operating instructions of your PC for more information about COM port settings.

Data transmission starts. (It should finish in about 10 seconds.)

When reception finishes, the screen of the message "save as" appears.

4 Check the save location, assign a file name, then click "Save."

The data is saved in a CSV format file (the file extension is ".csv.").

Note

In order to avoid malfunction, after the completion of the data transmission, unplug the RS-232C cable connecting your PC and the receiver.

Continue

Opening measurement data files

You can open the saved CSV format file by using other application software (ex. spreadsheet software) besides this application.
The following information related to Speaker Setting, Channel Level, Speaker Distance and Acoustic Cal EQ will appear with the date the PC receives the data files.

	A	B	C
1	[DATE]		
2	2004.07.23 19:26		
3			
4	* Speaker Setting		
5			
6	Front		Large
7	Center		Large
8	Surround		Large
9	Surr Back		Large ×2
10	Sub Woofer		Yes
11			
12	Crossover		80Hz
13			
14	* Speaker Distance		
15			
16	Left		9.50feet
17	Center		8.50feet
18	Right		9.50feet
19	Surround R		7.00feet
20	Surr Back R		6.00feet
21	Surr Back L		6.50feet
22	Surround L		7.50feet
23	Sub Woofer		11.00feet
24			
25			
26	* Channel Level		
27			
28	Left		+3.5dB
29	Center		+0.5dB
30	Right		+3.0dB
31	Surround R		+3.5dB
32	Surr Back R		+2.0dB
33	Surr Back L		+3.0dB
34	Surround L		+4.0dB
35	Sub Woofer		+1.0dB

	A	B	C	D	E	F	G	H
38	* Acoustic Cal EQ							
39								
40	All Ch Adjust		63Hz	125Hz	250Hz	4kHz	11.3kHz	Trim
41	Left		+4.5dB	−2.5dB	+0.5dB	0.0dB	−0.5dB	0.0dB
42	Center		+4.5dB	−5.0dB	−5.0dB	0.0dB	+0.5dB	+0.5dB
43	Right		+6.0dB	−5.5dB	+4.5dB	+0.5dB	−1.0dB	0.0dB
44	Surround R		+5.0dB	−4.5dB	−2.0dB	+3.0dB	−2.0dB	0.0dB
45	Surr Back R		+6.0dB	−4.5dB	−0.5dB	+3.5dB	−1.0dB	−0.5dB
46	Surr Back L		+5.5dB	−6.0dB	−1.0dB	+1.5dB	+0.5dB	0.0dB
47	Surround L		+4.5dB	−2.0dB	0.0dB	+3.0dB	−2.0dB	0.0dB
48								
49	Front Ch Align		63Hz	125Hz	250Hz	4kHz	11.3kHz	Trim
50	Center		−0.5dB	−1.5dB	−6.0dB	−1.5dB	+0.5dB	+1.0dB
51	Surround R		−1.0dB	+1.0dB	−4.5dB	+3.0dB	−1.0dB	+0.5dB
52	Surr Back R		+2.0dB	0.0dB	−2.5dB	+3.0dB	0.0dB	−0.5dB
53	Surr Back L		+2.0dB	−6.0dB	−2.0dB	+1.5dB	+1.0dB	0.0dB
54	Surround L		−1.5dB	+3.0dB	−2.5dB	+3.0dB	−0.5dB	0.0dB
55								
56	Custom1		63Hz	125Hz	250Hz	4kHz	11.3kHz	Trim
57	Left		+4.5dB	−2.5dB	+0.5dB	0.0dB	−0.5dB	0.0dB
58	Center		+4.5dB	−5.0dB	−5.0dB	0.0dB	+0.5dB	+0.5dB
59	Right		+6.0dB	−5.5dB	+4.5dB	+0.5dB	−1.0dB	0.0dB
60	Surround R		+5.0dB	−4.5dB	−2.0dB	+3.0dB	−2.0dB	0.0dB
61	Surr Back R		+6.0dB	−4.5dB	−0.5dB	+3.5dB	−1.0dB	−0.5dB
62	Surr Back L		+5.5dB	−6.0dB	−1.0dB	+1.5dB	+0.5dB	0.0dB
63	Surround L		+4.5dB	−2.0dB	0.0dB	+3.0dB	−2.0dB	0.0dB
64								
65	Custom2		63Hz	125Hz	250Hz	4kHz	11.3kHz	Trim
66	Left		0.0dB	0.0dB	0.0dB	0.0dB	0.0dB	0.0dB
67	Center		−0.5dB	−1.5dB	−6.0dB	−1.5dB	+0.5dB	+1.0dB
68	Right		0.0dB	0.0dB	0.0dB	0.0dB	0.0dB	0.0dB
69	Surround R		−1.0dB	+1.0dB	−4.5dB	+3.0dB	−1.0dB	+0.5dB
70	Surr Back R		+2.0dB	0.0dB	−2.5dB	+3.0dB	0.0dB	−0.5dB
71	Surr Back L		+2.0dB	−6.0dB	−2.0dB	+1.5dB	+1.0dB	0.0dB
72	Surround L		−1.5dB	+3.0dB	−2.5dB	+3.0dB	−0.5dB	0.0dB

Note

In the case when plural Channel Levels (Setting of the speaker output level) are set, the PC will save the setting data selected in the receiver when receiving the data.

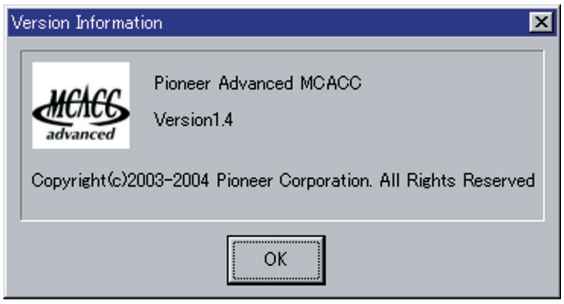
Updating and Deleting the Application

Updating the application

A new installer is made available on the download site whenever the Advanced MCACC application is updated. You can download the new installer and use it to overwrite (update) the application on your PC.

Note

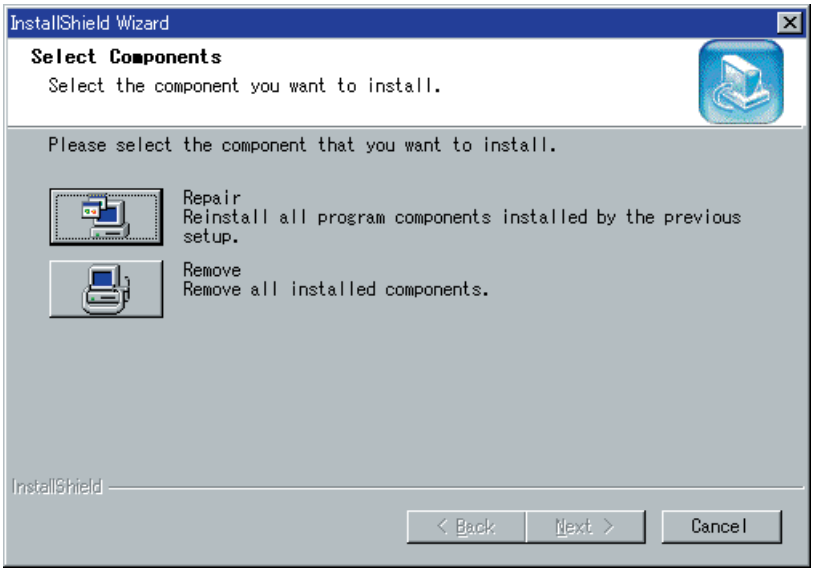
To check the version of your application, choose “Help” → “Version Info” from the menu bar. A window showing the version (Version 1.4, etc.) appears.



1 Double click the new downloaded installer .

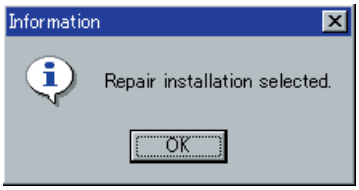
The Install Shield Wizard appears.

2 Click “Repair.”

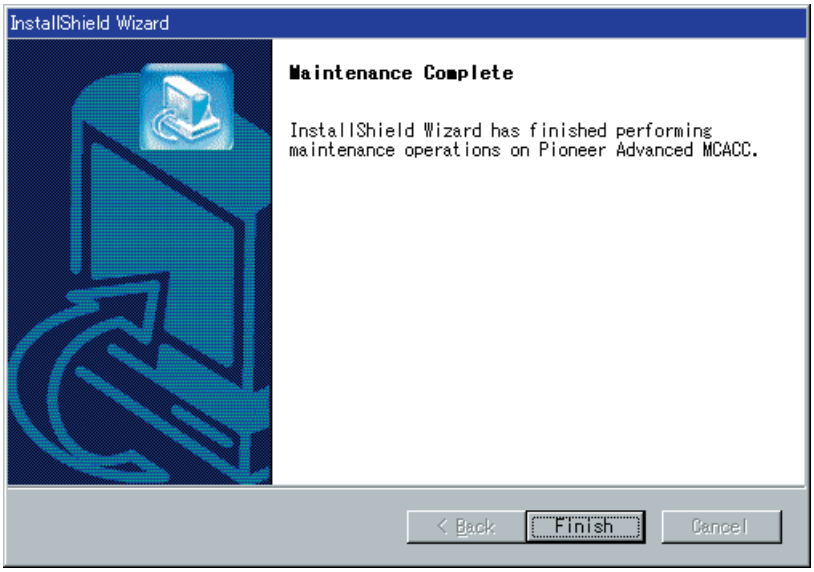


Continue

3 Click “OK.”



4 Click “Finish.”



This completes the updating of the application.

Continue

Troubleshooting

If an error occurs when you click “Repair” and you are unable to proceed with the installation.

Deleting the application

You can use either of the following methods to uninstall (delete) the application from your PC.

Method 1: Delete from the Control Panel of the PC

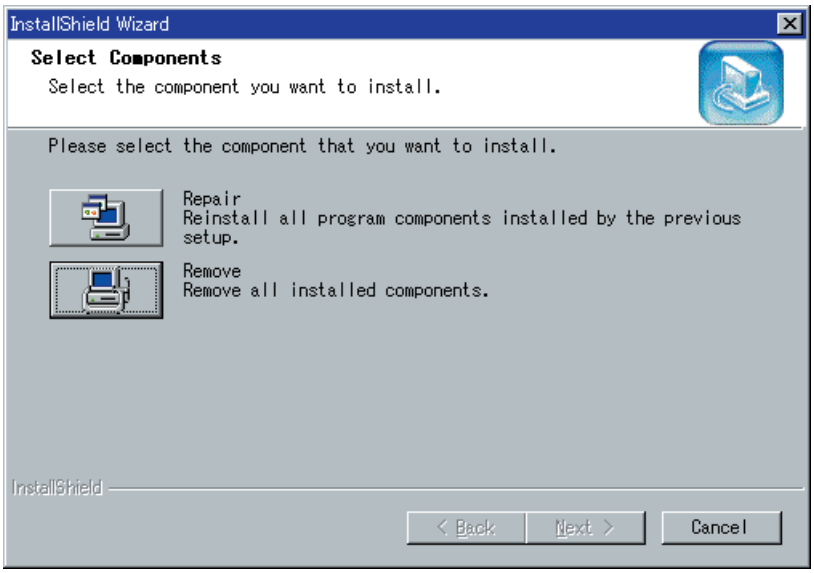
From the Start menu, click “Setting” → “Control Panel” → “Add/Remove Programs.”

Method 2: Use the downloaded installer to delete the application

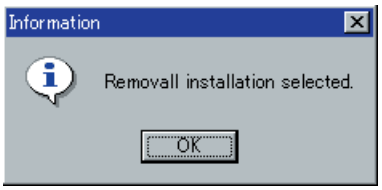
1 Double click the “PioneerAdvancedMCACC_e_ver_*_*.exe” file .

The Install Shield Wizard appears.

2 Click “Remove.”

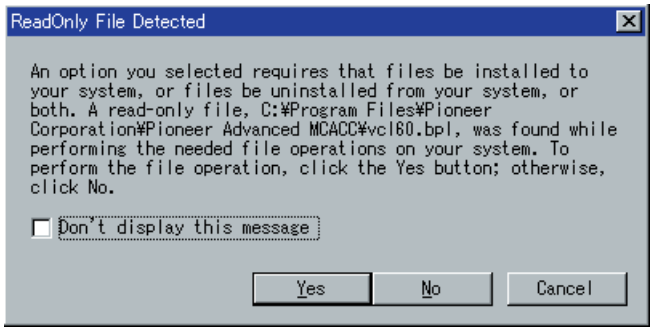


3 Click “OK.”



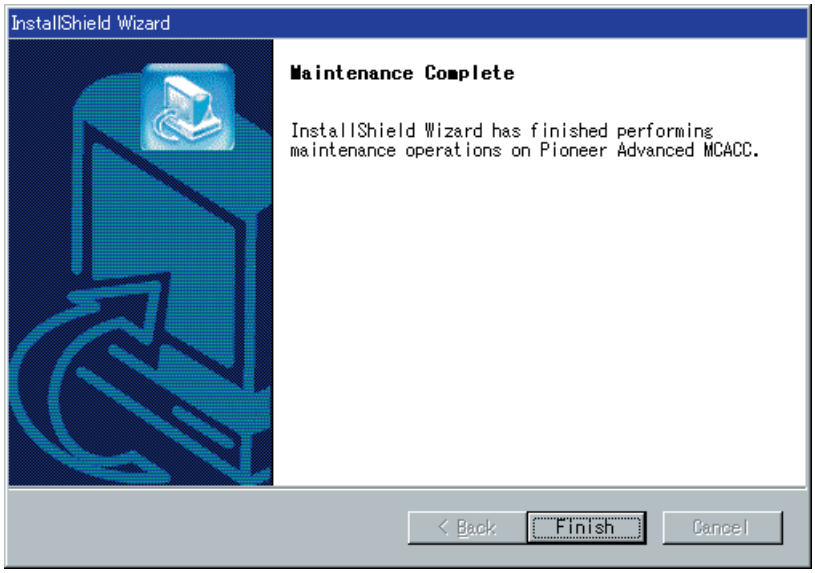
Continue

4 Click “Yes.”


ReadOnly File Detected
An option you selected requires that files be installed to your system, or files be uninstalled from your system, or both. A read-only file, C:¥Program Files¥Pioneer Corporation¥Pioneer Advanced MCACC¥vcl60.bpl, was found while performing the needed file operations on your system. To perform the file operation, click the Yes button; otherwise, click No.
Don't display this message
Yes
No
Cancel

After you click “Yes,” the same screen may appear again. If it does, click “Yes” again.

5 Click “Finish.”



This completes the deletion of the application.

Troubleshooting

As you use the Advanced MCACC application, errors can occur for a variety of reasons, such as incompatibilities with other applications and the current configuration of your PC. If an error occurs, refer to the troubleshooting points below.
If the trouble cannot be rectified even after checking the points listed below, ask the Pioneer Customer Support Division (USA) or Customer Satisfaction Department (Canada).

Pioneer Electronics (USA) Inc. Customer Support Division	**TEL: 800-421-1404**
Pioneer Electronics of Canada, Inc. Customer Satisfaction Department	**TEL: 1-877-283-5901**

The application is unstable, or does not work normally

Cause:

If your PC does not meet the requirements for using this application, the application can be unstable, very slow, or freeze up.

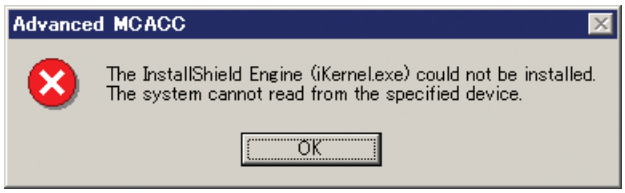
Check to be sure that your PC meets the requirements for using this application. (See page 2.) You cannot use this application unless your PC meets all of the requirements.

Advanced MCACC cannot be installed

Cause 1:

An error message may appear if there are not enough system resources available.

If an error message like the one shown below appears, re-start the PC, then start the installer (PioneerAdvancedMCACC_e_ver_*_*.exe) with no other applications active.


Advanced MCACC
The InstallShield Engine (iKernel.exe) could not be installed.
The system cannot read from the specified device.
OK

Cause 2:

Installation of Advanced MCACC may fail because of incompatibilities with other applications.

Try the following, in the order indicated.

1) If there are any other applications active, exit the other applications and try starting the installer (PioneerAdvancedMCACC_e_ver_*_*.exe) again.
2) If that does not work, try restarting your PC, and starting the installer (PioneerAdvancedMCACC_e_ver_*_*.exe) with no other applications active.

Continue

Cannot send measurement data to PC

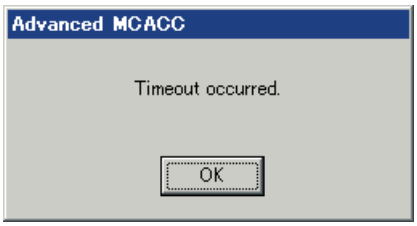
Cause 1:

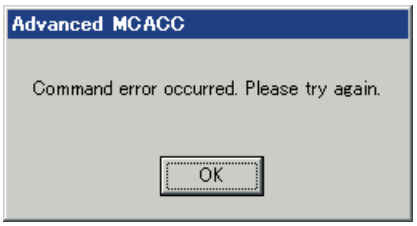
Random transmission errors sometimes occur.

Even if an error occurred on your first attempt, try sending the data again. Sometimes the transmission succeeds when you try again.

Cause 2:

Messages like the following may appear if a transmission error occurs.



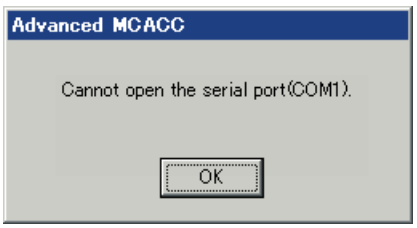


Try the following, in the order indicated.

1) In the setup screen of the receiver, check that “Operate a PC” is displayed. (This message indicates that the receiver is ready to send data to the PC.)
2) Check that the RS-232C cable is properly connected. (Be sure to switch off all components and disconnect their power cord from the power outlets before changing any cable connections.)
3) Exit any other active applications.
4) Check the COM port number.
5) Check the type of RS-232C cable to use is correct (page 5).
6) Restart the Advanced MCACC application.
7) Restart your PC.

Cause 3:

The following message may appear and the data transmission may be not available.



Refer to the operation manual for PC or the application software using the COM port, and make the connecting COM port available for transmission.

Continue

Advanced MCACC cannot be updated

Cause 1:

An error message may appear if there are not enough system resources available.

If an error message appears (like the one explained above in Cause 1) of *Advanced MCACC cannot be installed* (page 26), restart your PC and start the installer (PioneerAdvancedMCACC_e_ver_*_*.exe) with no other applications active.

Cause 2:

Updating of Advanced MCACC may fail because of incompatibilities with other applications.

Try the following, in the order indicated.

1) If there are any other applications active, exit the other applications and try starting the installer (PioneerAdvancedMCACC_e_ver_*_*.exe) again.
2) If that does not work, try restarting your PC, and starting the installer (PioneerAdvancedMCACC_e_ver_*_*.exe) with no other applications active.

Cause 3:

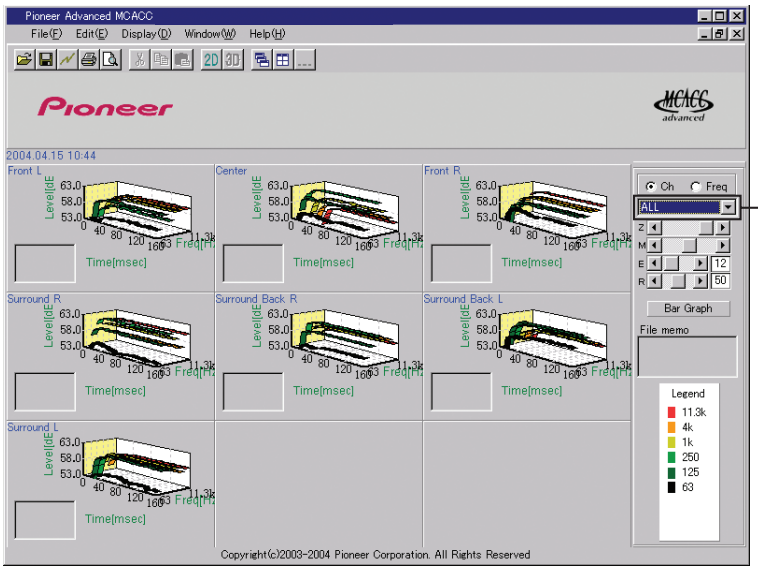
Under some PC configurations, updating may not succeed even if you click "Repair."

Select "Remove" to delete the application, and then try to install Advanced MCACC of the new version anew.

Graphs cannot be printed

Cause:

The ALL display mode graphs cannot be printed.



ALL display

Print after selecting an individual channel or frequency graph.

Continue

Some functions in application operation cannot be used

Cause:

You may not properly use the application software not corresponding to your receiver.

Check the model number of your receiver and use the application software corresponding to it.

The receiver causes a malfunction when it is connected to the PC with a RS-232C cable

Cause:

When the receiver is connected to your PC with a RS-232C cable, the power of the receiver may be automatically switched on when you operate the PC.

Unplug the cable when not in use.

Published by Pioneer Corporation.
Copyright © 2004 Pioneer Corporation.
All rights reserved.

PIONEER CORPORATION
4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS (USA) INC.
P.O. BOX 1540, Long Beach, California 90810-1540, U.S.A. TEL: (800) 421-1404
PIONEER ELECTRONICS OF CANADA, INC.
300 Allstate Parkway, Markham, Ontario L3R OP2, Canada TEL: 1-877-283-5901
PIONEER EUROPE NV
Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium TEL: 03/570.05.11
PIONEER ELECTRONICS ASIACENTRE PTE. LTD.
253 Alexandra Road, #04-01, Singapore 159936 TEL: 65-6472-7555
PIONEER ELECTRONICS AUSTRALIA PTY. LTD.
178-184 Boundary Road, Braeside, Victoria 3195, Australia, TEL: (03) 9586-6300
PIONEER ELECTRONICS DE MEXICO S.A. DE C.V.
Blvd.Manuel Avila Camacho 138 10 piso Col.Lomas de Chapultepec, Mexico,D.F. 11000 TEL: 55-9178-4270

K002_A_En

<04H00001>

<ARB7322-A>